



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of:

Hampden-Smith et al.

Serial No. 10/774,791

Filed: February 9, 2004

Confirmation No. 9037

Atty. File No.: 41890-01685

For: "SILVER-CONTAINING PARTICLES,  
METHOD AND APPARATUS OF  
MANUFACTURE, SILVER-CONTAINING  
DEVICES MADE THEREFROM"

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to Applicant's duty of disclosure under 37 CFR § 1.56 and 37 CFR §§ 1.97-1.98, Applicant hereby submits the enclosed PTO Form 1449, although Applicant does not admit that any of such documents, alone or in any combination, is considered to be material to patentability as defined in 37 CFR § 1.56(b). Moreover, the inclusion of these documents is not to be construed as an admission by Applicant that each such document is prior art as to the above-identified application. Pursuant to the Official Gazette Notice of August 5, 2003, copies of any U.S. Patents or published U.S. Patent Applications are not being submitted herewith. Copies of any foreign patent and non-patent documents are submitted herewith.

Respectfully submitted,

MARSH FISCHMANN & BREYFOGLE LLP

By: 

David F. Dockery  
Registration No. 34,323  
3151 South Vaughn Way, Suite 411  
Aurora, Colorado 80014  
(303) 338-0997

Date: August 29, 2005

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Docket Number (optional)  
41890-01685

Application Number  
10/774,791

Applicant(s)  
Hampden-Smith et al.

Filing Date  
02/09/2004

Group art Unit  
1742

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1.	3,510,292	5/5/1970	Hardy et al.			
	2.	3,620,713	11/16/1971	Short			
	3.	3,620,714	11/16/1971	Short			
	4.	3,711,274	1/16/1973	Montino et al.			
	5.	3,717,481	2/20/1973	Short			
	6.	3,725,035	4/3/1973	Short et al.			
	7.	3,748,118	7/24/1973	Montino et al.			
	8.	3,768,994	10/30/1973	Daiga			
	9.	3,785,801	1/1/1974	Benjamin			
	10.	3,816,097	6/11/1974	Daiga			
	11.	3,830,435	8/20/1974	Hill			

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	139.	62-2404	01/08/87	Japan			X	
	140.	63-31522	06/24/88	Japan			X	
	141.	0 776 717	06/04/97	EP			X	
	142.	0 593 167	04/20/94	EP				
	143.	6-172802	6/21/94	Japan			X	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

148.	U.S. Patent Application No.10/904,237 by Kodas et al.; filed 10/29/2004; entitled "Coated Copper-Containing Powders, Methods and Apparatus for Producing Such Powders and Copper-Containing Devices Fabricated From Same" (Attorney Docket 41890-01721).
149.	U.S. Patent Application No. 10/904,254 by Kodas et al.; filed on November 1, 2004; entitled "Coated Nickel-Containing Powders, Methods and Apparatus for Producing Such Powders and Devices Fabricated From Same" (Attorney Docket 41890-01720).

EXAMINER

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				Applicant(s) Hampden-Smith et al.			
				Filing Date 02/09/2004		Group art Unit 1742	

  

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	12.	3,846,345	11/5/1974	Mason et al.			
	13.	3,850,612	11/26/1974	Montino et al.			
	14.	3,865,744	2/11/1975	Parker et al.			
	15.	3,881,914	5/6/1975	Heidelberg			
	16.	3,882,050	5/6/1975	Niebylski			
	17.	3,885,955	5/27/1975	Lutz et al.			
	18.	3,902,102	8/26/1975	Burn			
	19.	3,966,463	6/29/1976	Fraioli et al.			
	20.	3,988,651	10/26/1976	Hertz			
	21.	4,020,206	4/26/1977	Beil			
	22.	4,023,961	5/17/1977	Douglas et al.			

  

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							YES	NO
	144.	8-170112	07/02/96	Japan			X	
	145.	0 537 502	04/21/93	EP				X
	146.	0 540 054	05/05/93	EP			X	
	147.	59-103301	06/14/84	Japan				X

  

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
150.	U.S. Patent Application Serial No. 10/904,257 by Kodas et al.; filed on November 1, 2004; entitled "Aerosol Method and Apparatus, Coated Particulate Products, and Electronic Devices Made Therefrom (Attorney Docket 41890-01717).
151.	U.S. Patent Application Serial No. 09/991,270 by Kodas et al.; filed on November 9, 2001; entitled "Nickel Powders, Methods for Producing Powders and Devices Fabricated From Same" (Attorney Docket 41890-00960).

  

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	23.	4,036,634	7/19/1977	Fraioli et al.			
	24.	4,044,193	8/1/1977	Petrow et al.			
	25.	4,072,771	2/1/1978	Grier, Sr., John D.			
	26.	4,089,676	5/16/1978	Grundy			
	27.	4,096,316	6/20/1978	Tamai et al.			
	28.	4,115,493	9/19/1978	Sakabe et al.			
	29.	4,122,232	10/24/1978	Kuo			
	30.	4,130,671	12/19/1978	Nagesh et al.			
	31.	4,136,059	1/1/1979	Jalan et al.			
	32.	4,140,817	2/20/1979	Brown			
	33.	4,146,957	4/1/1979	Toenshoff			

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OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)
	152.	U.S. Patent Application Serial No. 10/653,722 by Hampden-Smith et al.; filed on September 2, 2003; entitled "Aerosol Method and Apparatus, Particulate Products, And Electronic Devices Made Therefrom" (Attorney Docket 41890-01662).
	153.	Ahmadi et al., "Shape-Controlled Synthesis of Colloidal Platinum Nanoparticles", SCIENCE, Vol. 272, pp. 1924-1925, June 28, 1996.

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	34.	4,223,369	9/16/1980	Burn			
	35.	4,252,558	2/1/1981	Touboul et al.			
	36.	4,274,877	6/23/1981	Collier et al.			
	37.	4,326,889	4/27/1982	Sperner			
	38.	4,383,852	5/17/1983	Yoshizwa			
	39.	4,396,420	8/2/1983	Schmidberger et al.			
	40.	4,396,899	8/2/1983	Ohno			
	41.	4,409,135	10/11/1983	Akimune et al.			
	42.	4,410,457	10/18/1983	Fujimura et al.			
	43.	4,450,188	5/22/1984	Kawasumi			
	44.	4,464,420	8/7/1984	Taguchi et al.			

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	45.	4,477,296	10/16/1984	Nair			
	46.	4,517,018	5/14/1985	Tadashi et al.			
	47.	4,539,041	9/3/1985	Figlarz et al.			
	48.	4,578,114	3/25/1986	Rangaswamy et al.			
	49.	4,600,604	7/15/1986	Siuta			
	50.	4,612,048	9/16/1986	German et al.			
	51.	4,613,371	9/23/1986	Cheney et al.			
	52.	4,645,532	2/24/1987	Mackiw et al.			
	53.	4,670,047	6/1/1987	Kopatz et al.			
	54.	4,687,511	8/18/1987	Paliwal et al.			
	55.	4,689,075	8/25/87	Uda et al.			

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	56.	4,721,524	01/26/88	Sheldon et al.			
	57.	4,728,359	03/01/88	Huther et al.			
	58.	4,731,110	03/15/88	Kopatz et al.			
	59.	4,778,517	10/18/1988	Kopatz et al.			
	60.	4,781,980	11/01/88	Yoshitake et al.			
	61.	4,802,933	02/07/89	Rabinkin			
	62.	4,804,167	2/14/1989	Kock et al.			
	63.	4,810,285	3/1/1989	Otsuka et al.			
	64.	4,832,912	5/23/1989	Yabuki et al.			
	65.	4,857,233	8/15/1989	Teichmann et al.			
	66.	4,863,510	9/5/1989	Tamemasa et al.			

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	67.	4,897,110	1/30/1990	Kock et al.			
	68.	4,913,731	4/1/1990	Kopatz et al.			
	69.	4,915,733	4/10/1990	Schutz et al.			
	70.	4,948,739	8/14/1990	Charmot			
	71.	4,954,926	9/4/1990	Pepin et al.			
	72.	5,039,552	8/13/1991	Reimer			
	73.	5,063,021	11/5/1991	Anand et al.			
	74.	5,073,409	12/17/1991	Anderson et al.			
	75.	5,102,452	4/7/1992	Taskinen et al.			
	76.	5,122,182	6/16/1992	Dorfman et al.			
	77.	5,126,915	6/30/1992	Pepin et al.			

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	78.	5,139,891	8/18/1992	Cowie et al.			
	79.	5,147,484	9/15/1992	Chance et al.			
	80.	5,167,869	12/1/1992	Nebe et al.			
	81.	5,236,523	8/17/1993	Shibata			
	82.	5,250,229	12/1/1993	Hara et al.			
	83.	5,283,104	2/1/1994	Aoude et al.			
	84.	5,288,430	2/22/1994	Amemiya			
	85.	5,296,189	3/22/1994	Kang et al.			
	86.	5,338,330	8/16/1994	Polizzotti et al.			
	87.	5,350,727	9/1/1994	Tsurumi et al.			
	88.	5,356,842	10/18/1994	Yamakawa et al.			

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	89.	5,358,585	10/25/94	Shibata			
	90.	5,399,432	03/21/95	Schleifstein et al.			
	91.	5,402,305	3/28/1995	Asada et al.			
	92.	5,405,707	4/1/1995	Tani et al.			
	93.	5,418,193	5/23/1995	Tani et al.			
	94.	5,420,744	5/30/1995	Asada et al.			
	95.	5,421,854	6/6/1995	Kodas et al.			
	96.	5,424,140	6/13/1995	Rabinkin			
	97.	5,429,657	7/4/1995	Glicksman et al.			
	98.	5,429,670	7/4/1995	Miyoshi			
	99.	5,439,502	8/95	Kodas et al.			

  

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	100.	5,470,373	11/28/95	Edelstein et al.			
	101.	5,495,386	2/27/1996	Kulkarni			
	102.	5,505,991	4/9/1996	Schmid et al.			
	103.	5,512,379	4/30/1996	Kawasumi et al.			
	104.	5,523,006	4/6/1996	Heidelberg			
	105.	5,545,360	8/13/1996	Yang			
	106.	5,588,983	12/1/1996	Tani et al.			
	107.	5,616,165	4/1/1997	Glicksman et al.			
	108.	5,614,346	3/25/1997	Adel et al.			
	109.	5,616,165	4/1/1997	Glicksman et al.			
	110.	5,623,725	4/22/1997	Disam et al.			

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	111.	5,728,362	3/1/1998	Greuter et al.			
	112.	5,741,522	4/1/1998	Violante et al.			
	113.	5,759,939	6/2/1998	Klabunde et al.			
	114.	5,763,106	6/9/1998	Blanchard et al.			
	115.	5,770,126	6/23/98	Singh et al.			
	116.	5,852,768	12/1/1998	Jacobsen et al.			
	117.	5,853,451	12/29/1998	Ishikawa			
	118.	5,861,136	11/28/1995	Glicksman et al.			
	119.	5,882,802	3/16/1999	Ostolski			
	120.	5,928,405	7/1/1999	Ranade et al.			
	121.	5,958,361	9/1/1999	Laine et al.			

  

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	122.	5,964,918	10/1/1999	Asada et al.			
	123.	5,981,069	11/9/1999	Tani et al.			
	124.	6,007,743	12/1/1999	Asada et al.			
	125.	6,103,393	8/15/2000	Kodas et al.			
	126.	6,159,267	12/12/2000	Hampden-Smith et al.			
	127.	6,165,247	12/26/00	Kodas et al.			
	128.	6,277,169	8/21/01	Hampden-Smith et al.			
	129.	6,316,100	11/13/2001	Kodas et al.			
	130.	6,338,809	1/15/2002	Hampden-Smith et al.			
	131.	6,565,774	5/3/2002	Ohashi et al.			
	132.	6,635,348	10/21/2003	Hampden-Smith et al.			

  

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	134.	6,679,937	1/20/2004	Kodas et al.			
	135.	6,689,186	2/10/2004	Hampden-Smith et al.			
	136.	6,699,304	3/2/2004	Hampden-Smith et al.			
	137.	6,780,350	8/24/2004	Kodas et al.			
	138.	6,830,823	12/14/2004	Kodas et al.			

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		Hampden-Smith et al.	
		Filing Date	Group art Unit
		02/09/2004	1742

  

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